

Divyanshu Khare

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Education:

Arizona State University

2014-2018

Bachelor's in Electrical and Computer Engineering

- Member of IEEE
- Former Student Mentor for ECEE@ASU

Work Experience:

TouchBase inc - Mobile/iOS Developer Seattle, WA

May 2018-Present

Scoring Application: ARCL

- Primary developer working on a game scoring application for the [American Recreational Cricket League](#).
- Exposure to complete SDLC including System Requirements, Architecture, Design, Coding, Development and Incremental testing.
- Restructured application to follow MVC design pattern.
- Integrated Rest API calls and mapped internal data structure of application to interface with the backend and interact with server data.
- Implemented local storage for active games leveraging the plist while working on logic for score calculations.
- Knowledge of CocoaPods, and third-party frameworks like Realm.
- Created complete UI and a pdf scoreboard using auto layout with Constraints, XIBs, Interface Builder and Storyboards for implementing user interfaces (UI) following UX design schematics.

Communications Application: T-Mobile

- Built reusable UI components in React-Native for a prototype communications application.
- Collaborated with the international team to implement skeleton structure for multilingual support using i18n Library.
- Successfully integrated user permissions for iOS and Android.
- Created search logic for contacts with realtime highlight capability.
- Basic knowledge of state management using Redux.
- Performed code reviews, sprint planning and participated in scrum meetings

Sopra Steria - IOT Intern Delhi, India

July 2017 - Aug 2017

- Configured an Intel Edison using Node.js to record data and push to cloud Node-Red application.
- Designed digital gauges & monitors on Node-Red's interface using javascript and CSS.
- Utilized a Raspberry Pi wifi module to enable connectivity and data transmission between Edison and node-red

EmitLab@ASU - Research Aide Tempe, Arizona

Sep 2016 - May 2017

- Implemented registration for EmitLab's Data Analyzing Website.
- Created user-flow for first-time signup email verification.
- Added Facebook/Gmail Login to access data queries using respective Login APIs. Refactor
- Created custom bootstrap components for associating projects to specific publications.

Quick Fact:

I am eager to get nerdy about memory management, component layout, DOM rendering and I am certainly the guy who lives on attention to detail.

Skills:

- **Language:** Python, JavaScript, Swift, HTML, CSS/Bootstrap, Typescript, Matlab, JSX, Node.JS
- **Frameworks:** JQuery, Redux, React-Native, ES6, Express.JS, React.JS
- **Environments:** XCode, Android Studio, VS Code, Anaconda IDE, Cadence, Atom.
- **Visual Platforms:** Zeplin
- **Collaborative & Version Control:** GitHub, Gitsrc, Bitbucket, Jira, Hyper.

Projects

Research Volunteer under [Dr. John Brunhaver](#) :

- Generated script to predict heart disease in millennials using the Cleveland dataset
- Contributed to research involving DASH ontology and development design of SOC using machine learning (exploring the possibility of using fixed point arithmetic for hardware modeling within python)

Procedural Generation of Complex Adders:

- Built logic gates using primitive transistors in System Verilog.
- Conducted H-Spice simulations and generated verification modules with python top modules.
- The goal was to determine proper fanout and number of stages being used when driving a large external capacitor.

Sentiment Analysis:

- Successfully created a python script that aimed to analyze specific sentiments using multiple machine learning algorithms.
- The highest accuracy algorithm was used to predict user input.



<https://www.linkedin.com/in/divkhare/>



<https://github.com/divkhare>



<https://www.facebook.com/divyanshu.khare2>